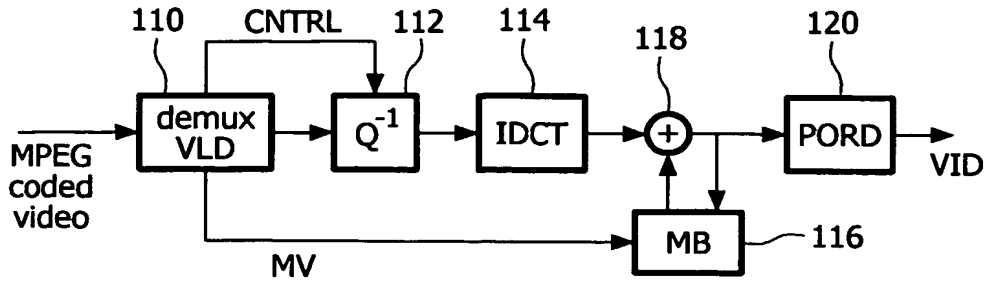
110
CNTRL
112
114
118
120
demux VLD
Q^{-1}
IDCT
PORD
MPEG coded video
VID
MB
116
MV

FIG. 1

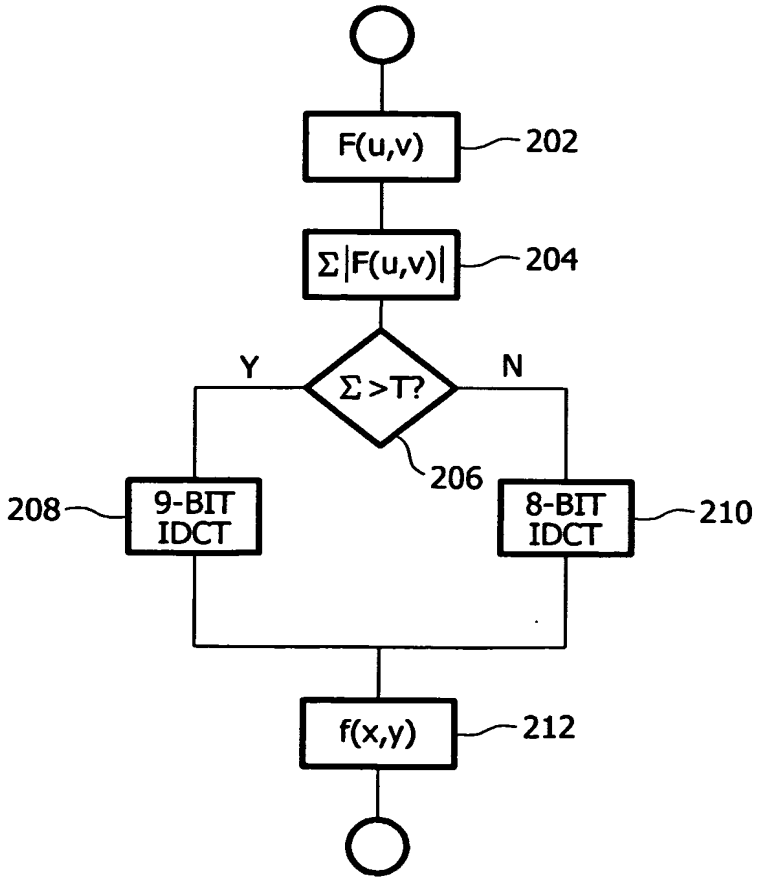
F(u,v)
202
Σ|F(u,v)|
204
Y
Σ>T?
N
206
208
9-BIT IDCT
8-BIT IDCT
210
f(x,y)
212

FIG. 2

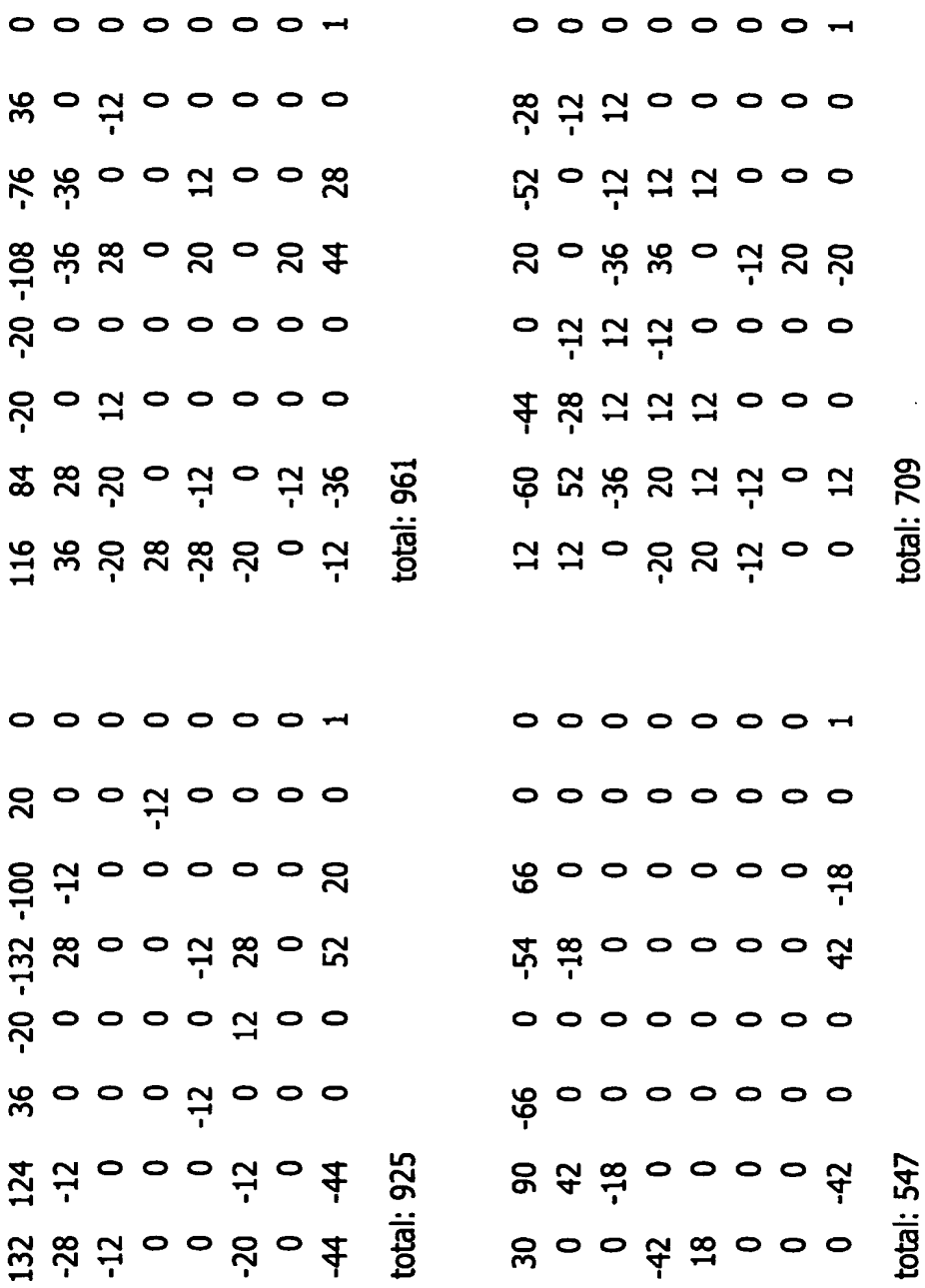
132 124 36 -20 -132 -100 20 0
-28 -12 0 0 28 -12 0 0
-12 0 0 0 0 0 0 0
0 0 0 0 0 0 -12 0
0 0 -12 0 -12 0 0 0
-20 -12 0 12 28 0 0 0
0 0 0 0 0 0 0 0
-44 -44 0 0 52 20 0 1
total: 925
30 90 -66 0 -54 66 0 0
0 42 0 0 -18 0 0 0
0 -18 0 0 0 0 0 0
-42 0 0 0 0 0 0 0
18 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0
0 -42 0 0 42 -18 0 1
total: 547
116 84 -20 -20 -108 -76 36 0
36 28 0 0 -36 -36 0 0
-20 -20 12 0 28 0 -12 0
28 0 0 0 0 0 0 0
-28 -12 0 0 20 12 0 0
-20 0 0 0 0 0 0 0
0 -12 0 0 20 0 0 0
-12 -36 0 0 44 28 0 1
total: 961
12 -60 -44 0 20 -52 -28 0
12 52 -28 -12 0 0 -12 0
0 -36 12 12 -36 -12 12 0
-20 20 12 -12 36 12 0 0
20 12 12 0 0 12 0 0
-12 -12 0 0 -12 0 0 0
0 0 0 0 20 0 0 0
0 12 0 0 -20 0 0 1
total: 709

FIG. 3

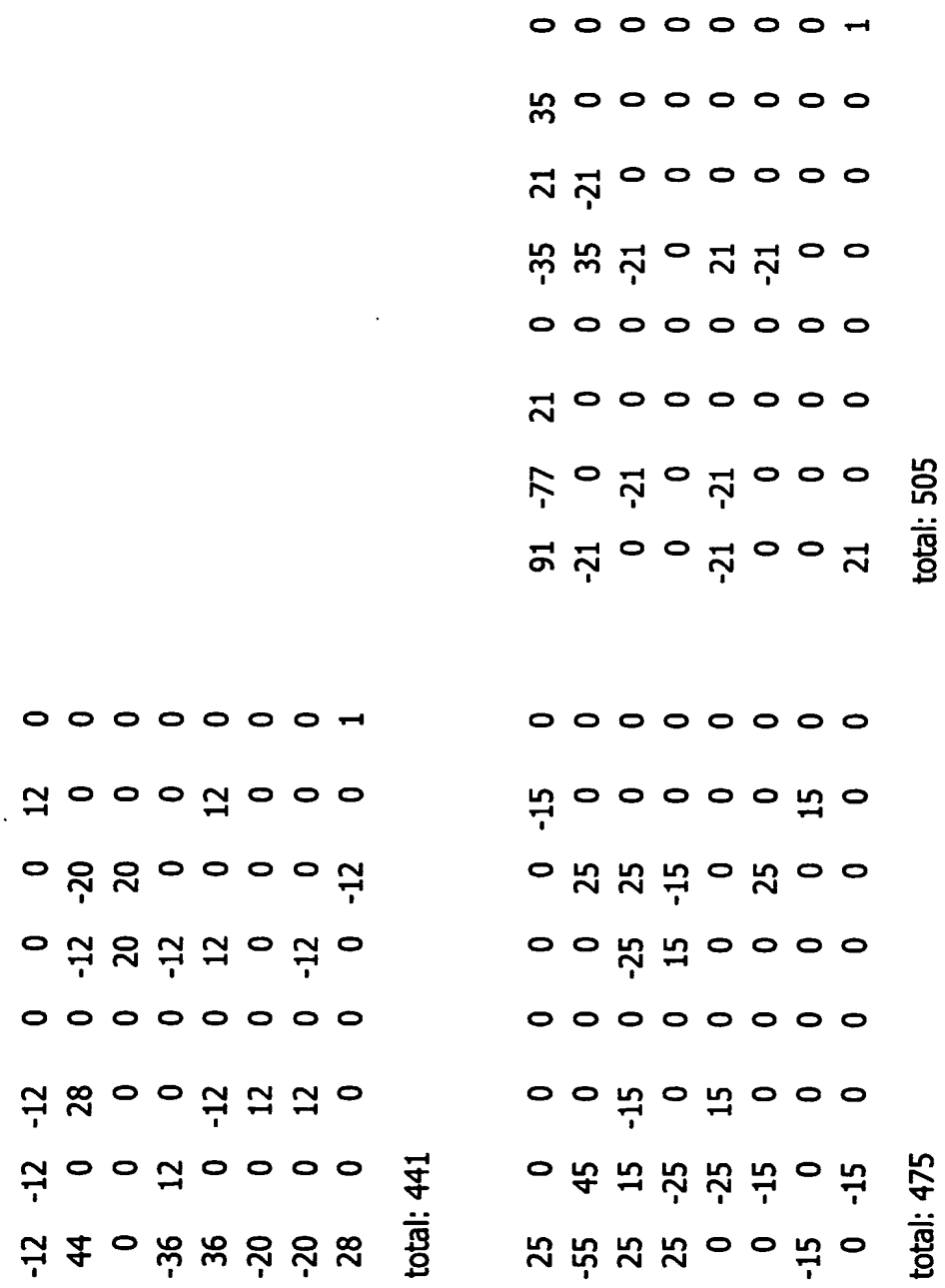
-12 -12 -12 0 0 0 0
44 0 28 0 -12 -20 0
0 0 0 0 20 20 0
-36 12 0 0 -12 0 0
36 0 -12 0 12 0 12
-20 0 12 0 0 0 0
-20 0 0 0 -12 0 0
28 0 0 0 0 -12 1
total: 441
25 0 0 0 0 0 -15 0 91 -77 21 0 -35 21 35 0
-55 45 0 0 0 25 0 0 -21 0 0 0 35 -21 0 0
25 15 -15 0 -25 25 0 0 0 -21 0 0 -21 0 0 0
25 -25 0 0 15 -15 0 0 0 0 0 0 0 0 0 0
0 -25 15 0 0 0 0 0 -21 -21 0 0 21 0 0 0
0 -15 0 0 0 0 25 0 0 0 0 0 -21 0 0 0
-15 0 0 0 0 0 0 15 0 0 0 0 0 0 0 0
0 -15 0 0 0 0 0 0 21 0 0 0 0 0 0 1
total: 475
total: 505

FIG. 4